

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.	SERIAL NO.
	GP068-05.CN3	09/808,558
	APPLICANT BECKER et al.	
FILING DATE March 14, 2001	GROUP ART UNIT <del>To be assigned</del> 1635	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)		

**U.S. PATENT DOCUMENTS**

**FOREIGN PATENT DOCUMENTS**

EXAMINER  
INITIALS

**OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)**

EXAMINER

M. Schmeltz

**DATE CONSIDERED**

11/16/02

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								FILING DATE March 14, 2001	GROUP <i>To Be Assigned</i> 1635

*OCT 09 2001*  
*JCS*

U.S. PATENT DOCUMENTS												
EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
<i>Mus</i>	4	7	9	7	3	5	5	01/10/89	Stabinsky			
	4	9	2	5	7	8	5	05/15/90	Wang et al.			
	5	6	4	1	6	2	5	06/24/97	Ecker et al.			
	5	6	4	5	9	8	5	07/08/97	Froehler et al.			
	5	6	5	2	0	9	9	07/29/97	Conrad			
	5	6	5	6	4	2	7	08/12/97	Hammond et al.			
	5	8	0	8	0	2	3	09/15/98	Sanghvi et al.			
	5	8	6	6	3	3	6	02/02/99	Nazarenko et al.			
	5	8	9	8	0	3	1	04/27/99	Crooke et al.			

FOREIGN PATENT DOCUMENTS												
EXAMINER INITIAL	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
												YES      NO
<i>Mus</i>	0	3	1	8	2	4	5	5/31/89	EPO			
	0	4	1	5	9	0	1	03/6/91	EPO			
	0	4	2	1	7	2	5	04/10/91	EPO			
	0	7	4	2	2	8	7	11/13/96	EPO			
	9	0	1	2	1	1	6	10/18/90	PCT			
	9	0	1	4	4	4	2	11/29/90	PCT			
	9	1	0	8	4	8	0	06/13/91	PCT			
	9	2	0	2	2	5	8	02/20/92	PCT			
	9	3	1	3	1	2	1	07/08/93	PCT			
	9	4	0	2	5	0	1	02/03/94	PCT			
	9	4	1	5	1	6	9	07/21/94	PCT			
	9	4	1	9	0	2	3	09/01/94	PCT			
	9	5	1	4	7	0	6	06/01/95	PCT			
	9	5	2	2	6	2	3	08/24/95	PCT			
	9	5	3	2	3	0	5	11/30/95	PCT			
	9	6	0	6	9	5	0	03/07/96	PCT			

EXAMINER	<i>MM Schmid</i>	DATE CONSIDERED	<i>11/16/02</i>
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*ACT 09/2001 SGS*

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<i>MCARL</i>	5 8 1 1 5 3 3	09/22/98	Gold et al.					
	5 8 4 9 5 0 4	12/15/98	Shah et al.					
	6 0 2 0 1 3 0	02/01/00	Gold et al.					

**FOREIGN PATENT DOCUMENTS**

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				YES	NO		

**OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)**

<i>Mus</i>	Bobst et al., "Effect of the Methylation of the 2'-Hydroxyl Groups in Polyadenylic Acid on its Structure in Weakly Acidic and Neutral Solutions and on its Capability to Form Ordered Complexes with Polyuridylic Acid", <i>J. Mol. Biol.</i> , 46:221-234 (1969)
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	Inoue et al., "Synthesis and hybridization studies on two complementary nona(2'-O-methyl)ribonucleotides", <i>Nucleic Acids Research</i> , 15(15):6131-6148 (1987)
	Iribarren et al., "2'-O-Alkyl oligoribonucleotides as antisense probes", <i>Proc. Natl. Acad. Sci. USA</i> , 87:7747-7751 (1990)
	Knorre et al., "Oligonucleotides Linked to Reactive Groups", <i>Oligodeoxynucleotides</i> , Chpt. 8, pgs. 173-195 <i>1999</i>
	Lammond et al., "Antisense oligonucleotides made of 2'-O-alkylRNA: their properties and applications in RNA biochemistry", <i>FEBS Letter</i> , 325(1,2):123-126 (1993)

EXAMINER	<i>M. Schmidt</i>	DATE CONSIDERED	<i>11/16/02</i>
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APPLICANT

BECKER et al.

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<i>PTM 03 2001</i>	Leahie et al., "Structure of the Single-stranded Polyribonucleotide Poly(2'-O-methylcytidylic Acid)", <i>J. Mol. Biol.</i> , 119:399-414 (1978)
<i>PATENT &amp; TRADEMARK OFFICE</i>	Rosenik et al., "Oligodeoxynucleotides Containing 2'-O-Modified Adenosine: Synthesis and Effects on Stability of DNA:RNA Duplexes", <i>Biochemistry</i> , 32(30):7832-7838 (1993)
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	Yamaguchi et al., "Chemical synthesis of the 5'-terminal part bearing cap structure of messenger RNA of cytoplasmic polyhedrosis virus (CPV): m <sup>7</sup> G <sup>5'</sup> 'pppAmpG and m <sup>7</sup> G <sup>5'</sup> 'pppAmpGpU", <i>Nucleic Acids Res.</i> , 12(6):2939-2954 (1984)
<i>✓</i>	"Role of the Ribose 2'-Hydroxyl Groups for the Stabilization of the Ordered Structures of Ribonucleic Acid", <i>J. Am. Chem. Soc.</i> , 91(16): 4603-4604 (1969)

EXAMINER <i>M. Schmeltz</i>	DATE CONSIDERED <i>11/16/02</i>
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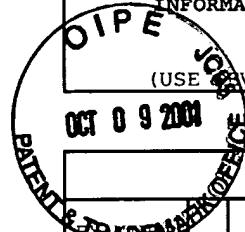
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
MHS	Blommers et al., "An approach to the structure determination of nucleic acid analogues hybridized to RNA...." Nucl. Acid. Res., 22(20):4187-4194 (1994).	
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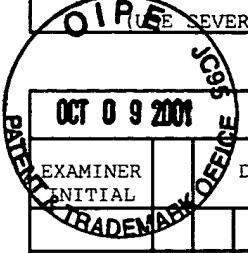
EXAMINER	<i>M Schumard</i>	DATE CONSIDERED	<i>11/16/02</i>
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EXAMINER INITIALS <i>MMS</i> OCT 09 2001	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)		
	Kawasaki et al., "Synthesis and Biophysical Studies of 2'-dRIBO-2'-F Modified Oligonucleotides," Presentation/Seminar--ISIS Pharmaceuticals (Jan. 1991).		
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	Uhlmann et al., <i>Chemical Review</i> , 90(4):558 (1990).		
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EXAMINER <i>M Schmeltz</i>	DATE CONSIDERED <i>11/16/02</i>
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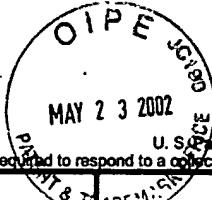
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EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)						
<i>Muys</i>	Barabino et al., "Targeted snRNP Depletion Reveals an Additional Role for Mammalian U1 snRNP in Spliceosome Assembly," <i>Cell</i> , 63:293-302 (1990).						
	Biencowe et al., "Antisense Probing of the Human U4/U6 snRNP with Biotinylated 2'-OMe RNA Oligonucleotides," <i>Cell</i> , 59:531-539 (1989).						
	Carmo-Fonseca et al., "In vivo detection of snRNP-rich organelles in the nuclei of mammalian cells," <i>EMBO</i> , 10(7):1863-1873 (1991).						
	Carmo-Fonseca et al., "Assembly of snRNP-containing Coiled Bodies Is Regulated in Interphase and Mitosis-Evidence...Coiled Body Is a Kinetic Nuclear Structure," <i>J.Cell.Biol.</i> , 120(4):841-852 (1993).						
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✓	Wolff et al., "Reconstituted mammalian U4/U6 snRNP complements splicing: a mutational analysis," <i>EMBO</i> , 11(1):345-359 (1992).						

EXAMINER	<i>CM Schneidt</i>	DATE CONSIDERED	<i>11/16/02</i>
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		Application Number	09/808,558
		Filing Date	March 14, 2001
		First Named Inventor	BECKER et al.
		Group Art Unit	To Be Assigned
		Examiner Name	To Be Assigned
Sheet	1	of	1
		Attorney Docket Number	GP068-05.CN3

#### **OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Signature	M Schmalt	Date Considered	4/20/02
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<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

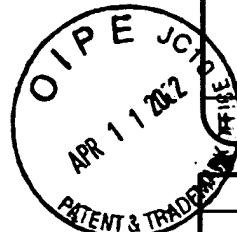
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				First Named Inventor	BECKER et al.
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				Examiner Name	To Be Assigned
				Attorney Docket Number	GP068-05.CN3
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## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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***Complete if Known***

Application Number	09/808,558
Filing Date	March 14, 2001
First Named Inventor	BECKER et al.
Group Art Unit	To Be Assigned
Examiner Name	To Be Assigned Schmidt
Attorney Docket Number	GP068-05.CN3

## **U.S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

Examiner Signature	UW Schmidt	Date Considered	7/30/02
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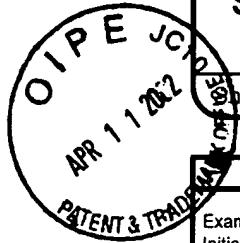
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				Group Art Unit	To Be Assigned 1635
				Examiner Name	To Be Assigned Schmidt
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Sheet	2	of	2		



Examiner Signature	MM Schmidt	Date Considered	4/30/02
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	09/808,558
				Filing Date	March 14, 2001
				First Named Inventor	BECKER et al.
				Group Art Unit	1635
				Examiner Name	Schmidt, M.
Sheet	1	of	1	Attorney Docket Number	GP068-05.CN3

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

Examiner Signature	M Schmid	Date Considered	11/14/02
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Sheet 1 of 1

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## **FOREIGN PATENT DOCUMENTS**

**Examiner  
Signature**

M Schmitz

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